

PATENT

(Practitioner's Docket No. IN-9510CIP-2)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Koichi TAKAMURA

Serial No.:

Group Art Unit: Not Assigned

Filed: April 20, 2004

Examiner: Not Assigned

For INORGANIC-ORGANIC POLYMER NANOCOMPOSITE AND METHODS FOR MAKING AND USING

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant(s) submit(s) herewith patents, publications, or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner.

☒ Submitted herewith is Form PTO-1449 (Modified) listing patents, publications, or other information for consideration by the Office.

COPIES PROVIDED:

☐ Legible copies of all items listed in the International Search Report accompany this information statement, except as indicated below:

☒ Legible copies of all items listed on Form PTO-1449 accompany this information statement, except Copies of U.S. patents, patent applications, and publications as indicated below:

☒ Under 35 U.S.C. §120, this application relies on the earlier filing date of prior application Serial No. 10/332,894, filed on January 14, 2003. The following references were submitted to and/or cited by the Office on this prior application and are therefore not required to be provided in this application:

☐ In accordance with 37 C.F.R. §1.98(c), a copy of only [] is being submitted with this Information Disclosure Statement, and is cumulative of the following patents or publications listed on Form PTO-1449:

FOREIGN LANGUAGE DOCUMENTS

☐ There are no foreign language documents listed on Form PTO-1449.

Information Disclosure Statement
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- ☐ The following non-English language references were cited in the specification. The English language equivalents for these references are being submitted in substitution for the non-English references.
- ☐ English language abstract for the following non-English references are enclosed.
- ☒ Submitted herewith is a translation of the following foreign language patents, and/or publications:
WO 03/000760
- ☐ No English language translations of the foreign language patents, publications or information or parts thereof are readily available, except for those listed above.
- ☐ The following foreign language documents submitted are believed to be the equivalent or substantial equivalent of the English language documents identified below, which are also submitted herewith:
- ☐ Submitted herewith is an English language version of a search report listing information not in the English language and indicating the degree of relevancy found by the European Patent Office, in satisfaction of the requirement (under 37 C.F.R. §1.98(a)(3)) for a concise explanation of the relevance of non-English information.
- ☐ A concise explanation of the relevance of the following listed non-English language information is included as presently understood by the individual designated in 37 C.F.R. §1.56(c) most knowledgeable about the content of the information as set forth below:
- ☐ A concise explanation of the relevance of the following listed non-English language information is set forth in the above-identified specification:

CERTIFICATION:

- ☒ The Information Disclosure Statement transmitted herewith is being filed **within** three (3) months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. §1.97(b). Accordingly, it is believed that no certification or fee is due.
- ☐ The Information Disclosure Statement transmitted herewith is being filed **after** three (3) months of the filing date of the application or the date of entry into the national stage of an international application or after the mailing date of the first Office Action on the merits, whichever event occurred last but **before** the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, whichever occurs first. Accordingly, I hereby certify that:
- ☐ Each statement of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the statement; 37 C.F.R. §1.97(e)(1); **OR**
- ☐ That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge as the person signing this certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this statement; 37 C.F.R. §1.97(e)(2); **OR**

Information Disclosure Statement
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☐ Applicant elects the option to pay the fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under 37 C.F.R. §1.97(c). Please charge the **\$230.00** IDS submission fee to BASF Corporation **Deposit Account No. 23-3425**. A duplicate of this paper is enclosed.

☐ The Information Disclosure Statement transmitted herewith is being filed **After a Final Action** under 37 C.F.R. §1.113, or **After a Notice of Allowance** under 37 C.F.R. §1.311, whichever occurs first, but **Before Payment of the Issue Fee**. Accordingly, I hereby certify that:

☐ Each statement of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the statement; 37 C.F.R. §1.97(e)(1); **OR**

☐ That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge as the person signing this certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this statement; 37 C.F.R. §1.97(e)(2); **AND**

☐ Applicant hereby petitions for consideration of this Information Disclosure Statement; 37 C.F.R. §1.97(d)(2)(ii). Please charge the petition fee of **\$130.00** to BASF Corporation **Deposit Account No. 23-3425**. A duplicate of this paper is enclosed.

The Commissioner is authorized to charge BASF Corporation Deposit Account No. 23-3425 for any additional fees due hereunder.

Reg. No.: **42,906**

Michael F. Morgan April 20, 2004
SIGNATURE OF ATTORNEY

Michael F. MORGAN

Type or print name of attorney

Tel. No.: (248) 948-2355

BASF Corporation
26701 Telegraph Road
P.O. Address

Southfield, Michigan 48034-2442

Customer No. 26922

FORM PTO-1449
(MODIFIED)US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket No. IN-9510CIP-2

LIST OF ART CITED BY APPLICANT
(Use sever of sheets if necessary)

In re Application of: Koichi TAKAMURA, et al.

Serial No.:

Filed: April 20, 2004

U.S. PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,220,953	11/30/65	Borgfeldt et al.			
	AB	3,951,676	8/20/76	Elste, Jr.			
	AC	3,695,152	10/3/72	Graf			
	AD	3,236,671	02/22/66	Dybalaski et al.			
	AE	3,466,247	09/09/69	Ohtsuka et al.			
	AF	3,660,324	05/02/72	Ohtsuka et al.			
	AG	4,296,207	10/20/81	Siegmund			
	AH	4,462,840	07/31/84	Schilling et al.			
	AI	4,597,799	07/01/86	Schilling			
	AJ	4,772,648	09/20/88	Demangeon et al.			
	AK	4,921,892	05/01/90	Moore et al.			
	AL	4,944,804	07/31/90	Schilling			
	AM	5,160,453	11/3/92	Schilling			
	AN	5,268,029	12/07/93	Demangeon et al.			
	AO	5,443,632	11/03/92	Schilling			
	AP	5,667,718	09/16/97	Jones et al.			
	AQ	5,843,222	12/01/98	Miller et al.			
	AR	6,000,876	12/14/99	Shen et al.			

FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AA	WO 02/024759	23.03.02	WO			X	
	AB	WO03/000760	03.01.03	WO			X	
	AC	UK 2 151 640	07.24.85	UK				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	English Copy of International Search Report for PCT/US 02/33343 filed 18.06.2002.
	Takamura, Koichi, SBR Synthetic Latex in Paving Application, Bitumen Asia 2000, June 20-21, Singapore.
	Brown, SF., A Study of Cement Modified Bitumen Emulsion Mixtures, pp. 92-121
	Wyoming Department of Transportation, Special Provision for Micro Surfacing, 11/18/98.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant has modified this form by deleting the word "prior".